

GEOLOGY OF MINERAL DEPOSITS

CHAPTER 1 Sub-Division and History

Economic Divisions, Historical Survey

CHAPTER 2 Distribution, Morphology, Composition and Structure of Mineral Deposits

Areas of Distribution, Morphology of Mineral Bodies, Mineral and Chemical Composition of Mineral Bodies, Ore Textures and Structures, Stages of Ore Development

CHAPTER 3 Geological Environment of the Formation of Mineral Deposits

Series of Mineral Deposits, Geosynclinal Deposits, Platform Deposits, Depth of Formation of Deposits, Distribution of Endogenous Deposits According to the Composition of Igneous Rocks, Duration of the Formation of Mineral Deposits, Mode of Deposition of the Mineral Material of Deposits, Sources of the Material of Deposits, Methods of Studying Deposits

CHAPTER 4 Magnetic Deposits

General Outline of the Formation and Sub-Division of Deposits, Physico-Chemical Environment of Formation, Geological Environment of Formation, Segregation Deposits, Early Magmatic Deposits, Late Magmatic Deposits, Magmatic Deposits of the Bushveld Complex of South Africa

CHAPTER 5 Pegmatitic Deposits

Introduction, Physico-Chemical Environment of Formation, Geological Environment of Formation, Simple Pegmatites, Recrystallized Pegmatites, Metasomatic Replacement Pegmatites, Desilicated Pegmatites

CHAPTER 6 Carbonatite Deposits

Introduction, Physico-Chemical Environment of Formation, Geological Environment of Formation

CHAPTER 7 Skarn Deposits

Introduction, Skarn Minerals, Physico-Chemical Environment of Formation, Geological Environment of Formation

CHAPTER 8 Albitite-Greisen Deposits

Introduction, Physico-Chemical Environment of Formation, Geological Environment of Formation, Albitite Deposits, Greisen Deposits,

CHAPTER 9 Hydrothermal Deposits

Introduction, Physico-Chemical Environment of Formation, Geological Environment of Formation, Classification of Hydrothermal Deposits

CHAPTER 10 Pyritic Deposits

Introduction, Physico-Chemical Environment of Formation, Geological Environment of Formation, Classification of Pyritic Deposits

CHAPTER 11 Deposits of Weathering

Introduction, Physico-Chemical Environment of Formation, Geological Environment of Formation, Residual Deposits, Infiltration Deposits

CHAPTER 12 Placer Deposits

Introduction, Mechanism of Formation, Geological Environment of Formation, Eluvial, Deluvial and Proluvial Placers, Alluvial Placers, Lateral Placers, Glacial Placers, Aeolian Placers

CHAPTER 13 Sedimentary Deposits

Introduction, Physico-Chemical Environment of Formation, Geological Environment of Formation, Mechanical Sedimentary Deposits, Chemical Sedimentary Deposits, Biochemical Sedimentary Deposits, Volcanogenic Sedimentary Deposits

CHAPTER 14 Metamorphogenic Deposits

Introduction, Physico-Chemical Environment of Formation, Geological Environment of Formation, Regionally Metamorphosed Deposits, Contact-metamorphosed Deposits, Metamorphic Deposits, Ultrametamorphism and Minerals